CONSTRUCTION LEGEND

ITEMS UNDERLINED TO BE CONSTRUCTED

1. PORTLAND CEMENT CONCRETE CURB AND GUTTER
2. PORTLAND CEMENT CONCRETE CURB
3. ASPHALT CONCRETE CURB
4. PORTLAND CEMENT CONCRETE LONGITUDINAL GUTTER
5. PORTLAND CEMENT CONCRETE SIDEWALK, 4" THICK
6. PORTLAND CEMENT CONCRETE SIDEWALK, 6" THICK
7. PORTLAND CEMENT CONCRETE PAVEMENT ON BASE MATERIAL
8. ASPHALT CONCRETE PAVEMENT
9. ASPHALT CONCRETE PAVEMENT ON BASE MATERIAL
10. ASPHALT CONCRETE PAVEMENT, VARIABLE THICKNESS
11. STABILIZATION GEOTEXTILE
12. SLURRY SEAL
13. COLD MILL ASPHALT CONCRETE PAVEMENT
14. DRIVEWAY, TYPE ___, Y= VAR UNLESS OTHERWISE SHOWN
15. ALLEY INTERSECTION (ON 6" CMB)
16. CROSS GUTTER (ON 6" CMB)
17. RETAINING STRUCTURE
18. DRAINAGE SYSTEM AS SHOWN ON SHEET INDICATED
19. REINFORCED CONCRETE STAIRWAY
20. CURB RAMP, CASE ___, SECTION ___, UNLESS OTHERWISE SHOWN
21. CONCRETE BUS PAD
22. ASPHALT RUBBER HOT MIX (ARHM-GG-C)
23. RUBBERIZED ASPHALT CONCRETE (RBAC), VARIABLE THICKNESS OR ASPHALT RUBBER HOT MIX (ARHM), VARIABLE THICKNESS
24. FURNISH AND PLANT TREE (PER CONSTRUCTION NOTE 6)
25. DROP CROTCH TRIM AND ROOT PRUNE TREE. FURNISH AND INSTALL ROOT CONTROL BARRIER
26. ADJUST MANHOLE
27. DOUBLE ADJUST MANHOLE
28. RECONSTRUCT MANHOLE
29. TREE WELL COVERS. TYPE _____, CASE _____
30. CURB DRAIN. CASE _____, N = _____
31. PARKWAY DRAIN. INLET TYPE _____, S = _____
32. RUBBERIZED EMULSION AGGREGATE SLURRY
33. CHAIN LINK FENCE AND GATES. H=___ UNLESS OTHERWISE SHOWN
34. METAL BEAM GUARD RAIL. PER CALTRANS STD PLAN A77A2
35. TERMINAL SYSTEM END TREATMENT (TYPE AS SHOWN)
36. COLD IN-PLACE RECYCLING (CIR), 3" THICK
37. ASPHALT RUBBER AGGREGATE MEMBRANE(ARAM)
38. REMOVE AND DISPOSE EXISTING METAL BEAM GUARD RAIL
39. RAILING DELINEATION PER CALTRANS STD PLAN A77C4
41. SHOULDER GRADING

CONSTRUCTION NOTES

CHECKED BOXES ARE FOR ITEMS APPLICABLE TO THIS PROJECT

- ■ 1. PRIME CONTRACTOR LICENSE REQUIRED: CLASS A OR C12.
- ■ 2. STANDARD PLANS REFERENCED ARE PER THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) UNLESS OTHERWISE NOTED.
- ☐ 3. PRIOR TO RESURFACING WITH RBAC OR ARHM, FILL ALL HOLES AND CRACKS WIDER THAN 1/4" WITH SS-1h EMULSIFIED ASPHALT AND SAND. PAYMENT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR RUBBERIZED ASPHALT CONCRETE OR ASPHALT RUBBER HOT MIX
- ☐ 4. PRIOR TO RESURFACING WITH AC, FILL ALL HOLES AND CRACKS WITH SS-1h EMULSIFIED ASPHALT AND SAND. PAYMENT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR AC PAVEMENT.
- ☐ 5. REPLACE AND RELOCATE TRAFFIC SIGNAL AND STREET LIGHTING PULL BOXES AFFECTED BY CURB RAMP AND SIDEWALK CONSTRUCTION. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR NO. 6 PULL BOX.
- ☐ 6. FURNISH AND PLANT 15 GALLON TREE, PER STD PLAN 520-2 CASE ____, , DOUBLE STAKING PER STD PLAN 518-2.
- ☐ 7. ELEVATIONS SHOWN ARE IN FEET BASED ON SANTA FE 2000 ADJUSTMENT, NAVD 1988 DATUM.
- ☐ 8. ELEVATIONS SHOWN ARE IN FEET ABOVE MEAN SEA LEVEL BASED ON _____ ADJUSTMENT, NGVD 1929 DATUM.

CONSTRUCTION SYMBOLS

- (NO) INDICATES WORK PER CONSTRUCTION LEGEND
- (Ltr) CURVE DATA SHOWN IN TABLE ON PLAN
- ○ 2" P4 — ABOVE LINE: INDICATES THE TYPE OF STANDARD OR THICKNESS OF SURFACE MATERIAL IN INCHES; STD PLAN VARIABLES: CURB RAMP CASE.TYPE.SECTION AND DETAIL; OR TREE PLANTING CASE
- ○ 5" CMB — BELOW LINE: REFERENCE TO DETAIL OR THICKNESS OF BASE MATERIAL IN INCHES OR TREE WELL CASE
- (5) a x b / 4" CMB — ABOVE LINE: a = LENGTH PARALLEL TO CURB, b = LENGTH PERPENDICULAR TO CURB
- ○←R REMOVE TREE
- (14) a, b / 2" P4 — ABOVE LINE: a = WIDTH OF DRIVEWAY BEHIND APRON, b = DISTANCE BACK OF APRON; BELOW LINE: THICKNESS AND TYPE OF SURFACE MATERIALS BEHIND APRON; LEFT OF LINE: STA OF THE DRIVEWAY APRON; RIGHT OF LINE: DRIVEWAY WIDTH "W" OF APRON
- STA W - RES OR COM
- (19) C, L, S, R, T — ABOVE LINE: STD PLAN VARIABLES; LEFT OF LINE: STA OF THE STAIRWAY; RIGHT OF LINE: STAIRWAY WIDTH AND TYPE
- STA W. TYPE
- (MT) W/L MEDIAN TAPER PER STD PLAN 140-2
- (MF) W/L MEDIAN FLARE PER STD PLAN 141-1
- ○←RU UTILITY TO BE RELOCATED BY OTHERS
- △ UTILITY TO BE POTHOLED

STANDARD PLANS

STATE OF CALIFORNIA (CALTRANS) STANDARD PLANS, MAY 2006 EDITION UNLESS OTHERWISE SHOWN BELOW

A77A2	METAL BEAM GUARD RAILING STANDARD RAILING SECTION (STEEL POST WITH NOTCHED WOOD OR NOTCHED RECYCLED PLASTIC BLOCK)
A77B1	METAL BEAM GUARD RAILING STANDARD HARDWARE
A77C2	METAL BEAM GUARD RAILING STEEL POST
A77C4	METAL BEAM GUARD RAILING TYPICAL RAILING DELINEATION AND DIKE POSITIONING DETAILS (UPDATED 6/6/08)
A77E2	METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR EMBANKMENTS (UPDATED 6/6/08)
A77E3	METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR EMBANKMENTS (UPDATED 6/6/08)
A77G3	METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS (UPDATED 6/6/08)
A77G4	METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS (UPDATED 6/6/08)
A77H1	METAL RAILING END ANCHOR ASSEMBLY (TYPE SFT)
A77I2	METAL BEAM GUARD RAILING STANDARD RAILING BURIED POST END ANCHOR
A77L1	METAL BEAM RAILING TERMINAL SYSTEM (TYPE SRT)
A77L3	METAL BEAM RAILING TERMINAL SYSTEM (TYPE ET)

NON-STANDARD ABBREVIATIONS

COM	COMMERCIAL
RES	RESIDENTIAL
EP	EDGE OF PAVEMENT
ETW	EDGE OF TRAVELED WAY
BW	BACK OF WALK
DEP	DEPRESS
LACDPW	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
PWFB	PUBLIC WORKS FIELD BOOK
PWLB	PUBLIC WORKS LEVEL BOOK
CIR	COLD IN-PLACE RECYCLING

REFERENCES

1. MATERIALS TEST REPORT, LAB No. 37132, DATED 07/20/09
2. PWFB 2526 PAGES 123-147
3. PWFB 2625 PAGES 36-38
4. PWFB 2626 PAGES 42-62, 163-174
5. PWFB 2725 PAGES 156-165, 266-280
6. PWFB 2726 PAGES 57-60
7. PWFB 2825 PAGES 142-148
8. PWLB 2625 PAGES 25,26
9. PWLB 2626 PAGES 20-25
10. PWLB 2725 PAGES 41-47
11. PWLB 2726 PAGES 9,10

GUARDRAIL NOTES

1. ALL GUARDRAIL LENGTHS AND LOCATIONS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. STEEL POSTS ARE TO BE USED FOR ALL INSTALLATIONS UNLESS OTHERWISE NOTED ON PLANS.
3. INSTALL RAILING APPROACH TRANSITIONS FOR FIXED OBJECTS PER CALTRANS STD. PLAN RSP A77G4 AT ALL APPLICABLE LOCATIONS OR AS DIRECTED BY THE ENGINEER.
4. FOR INSTALLATIONS OF TERMINAL SYSTEM (TYPE SRT), YELLOW RETRO-REFLECTIVE SHEETING, AS PROVIDED BY THE TERMINAL SYSTEM (TYPE SRT) MANUFACTURER, SHALL BE ADHERED TO THE END SECTION. THE SHEETING SHALL BE CONSISTENT WITH THE DESIGN PATTERN AND COLORS OF A TYPE P OBJECT MARKER PANEL.

CONVENTIONAL SYMBOLS

	EXISTING TOPOGRAPHY	PROPOSED IMPROVEMENTS
CURB		
CURB AND GUTTER		
GUTTER		
PAVEMENT CONCRETE		
AC		
CURB RAMP		
BUILDING		
BARRICADE		
FENCE		
GUY POLE		
DRIVEWAY		
FIRE HYDRANT		
GUARDRAIL		
GUY WIRE		
MANHOLE		
PIPE		
CONNECTOR PIPE		
MAIN LINE		
POLE		
PROPERTY LINE		
R/W LINE		
PULL BOX	PB	
RAILROAD		
RR XING PROTECTION		
SHRUB		
SIDEWALK		SHADED IF NOT CONTINUOUS
SIGNAL CONTROL BOX		
SIGNAL FLASHING		
TRAFFIC		
LOOP		
STREET LIGHT		
PALM TREE		
OAK TREE		
OTHER TREE		
VALVE		
VAULT		
BRICK (BLOCK) WALL		
CONCRETE WALL		
STONE WALL		
TOP OF SLOPE		
TOE OF SLOPE		
STAND PIPE		

PH079034

AC PAVEMENT CLASS AND GRADE LEGEND

P1 C2 - PG 64-16	P3 B - PG 64-16
B - PG 64-16	
P2 C2 - PG 64-16	P4 D2 - PG 64-16

DRAFTER A. THOMAS | DESIGNER A. THOMAS | CHECKER SUNG KIM | CADD PROJECT FILE NAME RDC0014939-PLAN-RD.DGN | REVIEWED BY ___ | DATE ___

DATE	MK	DESCRIPTION
		REVISIONS

REGISTERED PROFESSIONAL ENGINEER — SUNG H KIM — NO. C46694 — EXP. 6-30-11 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER 10/6/2010 DATE

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ANGELES FOREST HIGHWAY

2123' N/O MM 3.00 TO 9300' N/O MILL CREEK SUMMIT

NOTES AND REFERENCES

PROJECT ID NO. RDC0015511

PCA X2501114 | DWG PH079034 | SHEET 2 OF 6

DATE: $DATE$ TIME: $TIME$ FILE: $FILE$

PS-CHR-DLGN 04/06